

FIGURE 1

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1  gtcgacctgc aggtcaacgg atctgagagg agagtagcct cttgtagata acagttggat
61 tatataccat gtccctgatcc ccttcacatc ccaggagagc agaggtgggtc accctgatag
121 cagcaagcct gggggctgca gcttggtggg tagaggtagt caggggtaca gatgtctcca
181 aacctgtcct gctgccttag ggagcttcta ataagttgat ggatttgggtt aaaattaact
241 tggctacttg gcaggactgg gtcagtggag accaacaaaa agaagacatc agattatacc
301 ctggggggtt gtatttcttg tgtttctttc tcttctttgt actaaaatat ttacccatga
361 ctgggaaaga gcaactggag tctttgtagc attatcttag caaaaattta caaagtttgg
421 aaaacaatat tgcccatatt gtgtgggtgt tctgtgaca ctcaggattc aagtgttggc
481 cgaagccact aaatgtgaga tgaagccatt acaaggcagt gtgcacatct gtccacccaa
541 gctggatgcc aacatttcac aaatagtgtc tgcgtgacac aaatgcagtt ccaggaggcc
601 caaatgaaaa tgtttgtact gaaatttgtt aaagcttccc gacaaaactag atttatcagt
661 aaggattgtt ttctgcaagg gggatgaaac ttgtgggggtg agccatttgg gctgaggagg
721 agggagggtt gagctgagaa atgtggagac aatttccctt tagaaggact gaatctccct
781 gcctctctgg ggtgcggcag ccagcaggat ccaatgggtg atatgtctcc ccagctcccc
841 attcagtgat atcatgtcag tagcttgaaa ttatccgtgg tgggagtatt atgtcatgga
901 aattggcaaa tggaaacttt tattggagat tcaattgtta aacttttacc agcacaacac
961 tgccctgcct tcagagtcaa tgacctatc caagtttaat ccactgtgcc actgtctcca
1021 acacgatctt tataaaacac acctgacaac attacccttt tattcagttt ttacaaagat
1081 aagtttccag ctcatcgagg tggctttaaa ggccatttct cctctggacc tcacccaact
1141 tttcaaatca cttttcctac ccctacctct aaatgctact caaactccag ccactcctgaa
1201 taataagact tttgaaaagt agattatggg ctgggcacag tggctcacac ctgtaatccc
1261 agcactttgg gaggccaaaga tgggtggatc acctgagggtc gggagtccga gaccagcctg
1321 actaacatag tgaaaccttg tctctactaa aaatacaaaa ttagttgggg gtggtggcac
1381 aagcctgtaa tcccagctac tcaggagggt gaggcagggg aattgcttga acctgggagg
1441 cggaggttgc ggtgagccta gatgtctcca ctgcactcca gcctgggcaa caagagcgaa
1501 actccatctc aaaaaataaa ataaataaat aaagtagatt acatcagata cctctggcct
1561 aggttgttta tgaccaactc tctgctgag atggccaagg ctgtaaggaa aaacatattt
1621 tccaaaagat ctctttggag gcatcagaga atggccaagg ctgtaaggaa aaacatattt
1681 ccagagagggt ggagcccagc actggtgccc tttactcctg gggacatgtg ctggtttcaa
1741 aaacttcagc tgagcttttg agcattcatg gaacttgggt ggggagatga aatttgtacc
1801 ttaaatectg cctacaggga gggtccttga taatccccac ccaatttggg aatctgggtc
1861 agccttcaca ggtactgaag cctcctctg aatgatctca agtcctgcta gggtagaggt
1921 taactgcttt tgaaaggctc ctggcctacc tgtgcagcag gagcaaaagt gaaccatctc
1981 agggtagaga taacaatcat ccagagcctt gaatgacctc tactgtgctt aatatatagt
2041 attcagcagt cagtaaaaag gatttaggca catgcaagat gacctgtgta tcaggagaaa
2101 ataggcaata aattgagatc cagcagggat ttgaatcatg gatttgaatc aggggagcc
2161 ttcgaaagaa ctatggagaa tatactcaga tttaaaacat aagattggaa tttttggcag
2221 agaactaaca actgtacaaa aaaggaacca aatggaaatc ctagaactga aagatgcaat
2281 taaccgatgt tgagaaatag ccaacatcta ttgaacactt cccatgtgga cagctgtgct
2341 aaacacttta caggcatcaa cataagatgt gtccccttac agcagtgcag tgtccctcct
2401 aagacatgga cagcctgggt tccctatctc tctgcttcat caaaacccct ttacgtgggg
2461 cttagacact cctgttgtct ctagtgtcta gtagcacagg gctcagcaca tgggaagccac
2521 tagatacaat ttgatgacca ggacctccga tgaaagccat ggggtgtgat tgggaaggca
2581 ttgtctttta tgtgctatgg tcttaaagct tcatccagga agcagaactc ggggggtgct
2641 gaggacccag aaccgagaat aagattagtc agagatttcc tgtgggcaga aatcataagg
2701 acgccaactg tttgggtgag ataagacgaa accaagagtg gacttgtggc cagaagcgtg
2761 aggaagaggg agagagcttc ccttgtcccc tttcttctc tccctaagcc acagtgattg
2821 acagccccc cgttttggag tcagagcagg cttgagactg gactgggaaa ggagggtggg
2881 tcaggataca gagcaggaag gctgggagtg cagggcagga gcaaggggtt ggggcattca
2941 ttgtgcctga tctctccac tttacctggg gtaaaagaagc atatgcaaaa gccacggtgt
3001 gagtatttcc accgatgatg tggcttctat tattagctct atcagataat gaaactgaga
3061 ctttatagta accgatgatg tggcttctat tattagctct atcagataat gaaactgaga
3121 ccaagacagg ctctgcacat tgtgtgggtt aatgacacag ggggattcag acctagactc
3181 cataactcct gccccaggga ccacccccac cctcaccctg tgcattgtcg caaaggacag
3241 actgggccac ttctcaggac acagcgggga aatgacacag agcaggaggg ttccaggagc
3301 cccgagcgtc ttttctccag gagaatactc tctgaattca gactgggggt agagaaacat
3361 ttaccagga gccgcagtgt ggggtggggt ttttacttga aacgctgtct gaaggcagtg
3421 gcaggatgaa ctctccacc taccttgga agccacttct cttctgcaat ctgtaaggac

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FIGURE 1 (continued)

3481	attgttgaga	gaattatggt	cttccaattc	cggagggttg	aagaaagaca	aataggagag
3541	aacctatcat	agtcagggtgc	tagctgcctt	ctctttcaga	gagtgtgaga	ataaagtgat
3601	acacttgatt	attagcaaat	acttttgaaa	ttttaaacgc	taatattcaa	cacactctgg
3661	aagaggcaaa	taagtagaca	ggttcatata	catcatctcc	ttcagctagt	cctcacaaaa
3721	acaaacaaat	gaataaacia	aattcttctt	tggccctcat	aggaagacac	tgtttcttga
3781	acgtgtttca	aaaaggatgg	gtgactcact	caaggtcaca	ctgtttatga	ggacagtaca
3841	ggaatacaga	catgccattt	tgcctgaaaa	aatccatcac	ccaggggagg	gacacaattt
3901	tgcagaaatg	ttctattttc	tctgaaggat	acattcttta	aacctttggg	aaattcattc
3961	atagtcttcc	tcctttgaag	gattactctc	tggacacaaa	gtgtttgatt	ctgatttggt
4021	ggttggaaga	tgtgttggtt	gagagaaaga	ttctgatttg	ttggttgaaa	atagactcat
4081	caagatcaac	tgctgtagta	gtaaatattt	tgacattttg	tctgtattcc	tgtgctgccc
4141	tcacaagctg	catcaccttg	agtgaagtcat	tcatactttt	ttgtttgttt	ttgttttgga
4201	gatggagtct	tactctgttg	cctaggctgg	agtgcggtgg	cgtgatcttg	gctcactgcg
4261	acctccatct	cctgggttca	agtgatcctc	ctgcctcagc	ctcccagagta	gctgggattc
4321	caggcacatg	ccaccatccc	tgctaatttt	tgcattttca	gtagagacgg	agtttcacca
4381	tgttgggtcag	ggttgggtctt	aaactcctgac	ctcagggtgat	ccgcccacct	cagcctcccc
4441	aagtgtctggg	attacagggtg	tgagccaccg	tgcccagccc	agccatcatt	tttgaaacac
4501	gtttgagaaa	tagtgtcttc	ctttgagggc	caaggagaca	ttttttttgt	ttatttggtt
4561	gtttttgtga	ggactagctg	aaggggggtga	tgtatattaa	cctgcctact	tatttgcttc
4621	ttcccagagt	gtgatgaata	ttaggggtta	aagtttctga	agcatttggt	aataaagccc
4681	ggggctggag	gtcagaagac	ctggatttct	ctgcatactt	ttgccatcag	caagctgtgt
4741	gaccttgga	agatcccttt	tttgtctaaa	tctttctgag	tcttcttgaa	aacaatgcca
4801	ggttgggaca	ggatgattgc	caagctcccg	tccagctcta	aaacactgca	acgtatgctt
4861	ctgcaccagc	actgtccatc	ctgtagatca	tcagaaaatt	ctcttcaact	ttttcttacc
4921	cataaaatag	gagcatgctt	acctttttcc	taatgttcca	ggccccgggt	ctagatattg
4981	taagtaagga	agttaatgtg	tatcagagcc	cattatgggc	cagaagttct	cctcttccct
5041	cctacacctg	cttctccctt	ccctccctcc	ctctttccct	tccttccctc	catccatttg
5101	tgaagaagac	atgatcacc	tcattctgag	agtgaagaga	cagaggctca	actaatgaaa
5161	tgatttggtc	aaggtcacac	gggtggcaca	aggcaagtgg	cagagggtga	atttagaccc
5221	attcctgtcc	aaatgctgag	tttatgtcat	cgtcccgaga	ccataacttt	aaagatgtaa
5281	gtatgtggga	aaagagttga	tttcaaagca	cctctcagaa	ggactcactt	tacatcaggg
5341	gtcagcagac	tcaggccaaa	tccggtccat	tccccgctt	tgcaaaagaa	gttgtagtgg
5401	aacacagcta	ggcttattga	tttatggatt	gccaacgtcc	ttttgtgaaa	cagacagctg
5461	agctgagtaa	tctgtggcga	caaaacctaa	aataatttact	atctcgtcct	ttacagaatg
5521	tttgccaatc	tatgggtccg	agtcacaggc	tgtccatttt	tcaaagaaca	caaagtgaca
5581	tgagactgtc	ccatgtgcag	ggagccctat	cattttatta	tgaaaaaacg	gcctttctgc
5641	tcaaatctgt	tttttaaaaa	gtcaacaaac	agactctggg	tacctgtcag	gaacagtagg
5701	gagtttggtt	tccattgtgc	tcttcttccc	aggaactcaa	tgaaggggaa	atagaaatct
5761	taattttggg	gaaattgcac	aggggaaaaa	ggggagggaa	tcagttacaa	cactccattg
5821	cgacacttag	tgggggtgaa	agtgacaaca	gcaagggttt	ctcttttttg	aatgctgagg
5881	agggatattc	cgcttctcgc	agtgggcgag	ggtggcagac	gcctagcttg	ggtgagtgc
5941	tatttcttta	taaaccacaa	ctctgggccc	gcaatggcag	tccactgctt	gctgcagtca
6001	cagaatggaa	atctgcagag	gcctccgcag	tcacctaate	actctcctcc	tcttctctgt
6061	ccattcagag	acgatctgcc	gacctctgg	gagaaaaatcc	agcaagatgc	aagccttcag
6121	gtaaggctac	cccaaggagg	agaagggtgag	ggtggatcag	ctggagactg	gaaacatata
6181	acagctgcc	gggctgccag	gccagagggc	ctgagaactg	ggtttgggct	ggagaggatg
6241	tccattattc	aagaaagagg	ctgttacatg	catgggcttc	aggacttgtg	tttcaaaata
6301	tcccagatgt	ggatagtgcg	accggagggc	tgtcttactt	tcccagagac	tcaggaaccc
6361	agtgaagtaa	agatgcattg	caaggaggtg	gactgctgatt	caggcctagt	tgaatgtgct
6421	gacagagaag	cagagagggg	caccaggggc	acagcccga	ggcccagact	gatatgggca
6481	aggcctgtct	gtgctgacat	gtcggagggt	cccactctcc	agggaccttg	gtttccccgt
6541	ctgtgacatc	tgtgacatga	gagtcacgat	aactccttgt	gtgccttaca	gggttggtgt
6601	gaaaattaaa	tgcacagata	atagcgtaac	agtattccgt	gcattgtaaa	gagcctgaaa
6661	accattatga	tttgaaaatg	gaatcggctt	tgtgagacca	tcactattgt	aaagatgtga
6721	tgctgataga	aatgacagga	ctgcttgtgc	atgccctctg	cagtgtgaca	ttccagcagt
6781	gaaatcatgt	tggggtgact	tctccccac	tctgaccttt	atgtttgtct	gggccgaggc
6841	tgcaagtcgg	gctctgtggg	tgtatagtg	acaagtctct	ccctccaga	tatggggact
6901	gtctgcttcc	ctaggttgcc	tctccctgct	ctgatcagct	agaagctcca	ggagatcctc

FIGURE 1 (continued)

6961 ctggaggccc cagcaggtga tgtttatccc tccagactga ggctaaatct agaaactagg
7021 ataatcacia acaggccaat gctgccatat gcaaagcact ttggtttgcc tggccacccc
7081 tcgtcgagca tgtgggctct tcagagcacc tgatgaggtg ggtacagtta gccacacttc
7141 acaggtgaag aggtgaggca caggtcccag gtcaggctgg ccggagctct gtttattacg
7201 tctcacagct ttgagtcctg ctctcaacca gagaggccct ttaccaagaa gaaaggattg
7261 ggacccagaa tcaggtcact ggctgaggta gagaggaagc cgggttggtc ccaagggtag
7321 ctgctcctgc aggactctga gcaggtcacc agctaattga ggaaaggctc tagggaaaaga
7381 cctttctggg ctcagactca gagcgagtta gctgcaagggt gttccgtctc ttgaaacttc
7441 tacctaggtg ctatggtagc cactagtctc aggtggctat ttaaatttat acttaaatga
7501 atgaaaatag aagaaaattt aaaatccaga cccttgggtc cactatccac atttaaagag
7561 gtcaatagcc acatgtgggt agtgccacc ctattgggca gtgcagctac agaactttt
7621 tgcaccccag aaagtctctt tggatgttgc tgctctacag catgctttgc tgaaacagaa
7681 gtgcttccc tgggaatctc agatgggaag caagtaagga ggggagtcac atgtgggctc
7741 actgctcacc agctgtgagg gtgggctcgt cctcttaacc attgtcagcc tcagttctct
7801 catccatgca tgccgtgggt atactaaaat actatacccc tggaagagct ggatgcaaat
7861 ttgacaagtt ctgggggaca caggaagggt ccaagcaca ggctgggac atggtggctg
7921 tgcactacag ctgagtcctt ttcttttca gaactctgga tgtaaacag aagacctct
7981 atctgaggaa caaccaacta gttgctggat acttgcaagg accaaatgtc aatttagaag
8041 gtgagtggtt gccaggaaag ccaatgtatc tgggcatcac gtcaactttgc cegtctgtct
8101 gcagcagcat ggctgctg cacaaccct aggtgcaatg tctaactct tgttgggtct
8161 ttgtattcaa gtttgaagct gggagggcct ggctactgaa gggcacatat gagggtagcc
8221 tgaagagggt gtggagaggt agagtctagg tcagagggtc gtgctatag gcaagtggct
8281 ccaggccac agctgggaag ggcaaatacc agaaggcaag gttgaccatt ccttctctca
8341 agtgcttatt aaggctccat gttcctatgt tgttcaaacc ctaactcaat cccaaattaa
8401 tccaccatgt ataaggttga gctatgtctc ttattcctgg acaccatact cagccatctc
8461 tgggtccacac attaacagct ggatgacctt gaagaagctt caccactctt gttcctcagc
8521 tttccttca gtgggatgat atcaactgga caacaggatg tgcgattctt ttagttccag
8581 ccttccagga tgttttcaact cccctgtttg ttgtttagg atggtattac ctccaccttc
8641 ccaccttccc tatgcctctg ttctgtctcc tgtgctcgc tctgaaagt gatgagacct
8701 acaattcctg tctgttagt tctcctaatt aacacactga agcagagga agctgagatt
8761 tttgttgcta catgagagca tggaggcctc ttaggagag aggaggttca gagactccta
8821 ggctcctggt ggagccccc tcatggcctt gttcatttcc cctgccccct agcaacactc
8881 ctattgacct ggagcacagg tatcctgggg aaagtggagg aatatggac atcacatgga
8941 acaacatcca ggagactcag gctctagga gtaactgggt agtgtgcac ctggggaaag
9001 tgagggaaat atggacatca catggaacaa catccaggag actcaggcct ctaggagtaa
9061 ctgggtagtg tgcacctctg ggaagtgag ggaatatgg acatcacatg gaacaacatc
9121 caggagactc aggcctctag gagtaactgg gtagtgtgca tctggggaa agtgagggaa
9181 atatggacat cacatggaac aacatccagg agactcaggc ctctaggagt aactgggtag
9241 tgtgcttggg ttaattctt atttacctgc agaccaggaa gatgagacct ctctgccctt
9301 ctgacctcgg gatttttagt ttgtgggac caggggagat agaaaaatac ccggggtctc
9361 ttcattattg ctgcttctc ttctattaac ctgacctcc cctctgttct tccccagaaa
9421 agatagatgt ggtacccatt gagcctcatg ctctgttctt gggaatccat ggagggaaga
9481 tgtgctgtc ctgtgtcaag tctggtgat agaccagact ccagctggag gtaaaaacat
9541 gctttggatc tcaaatcacc ccaaaaccca gtggcttgaa acaacaaaaa tttttcttta
9601 tgattctgtg ggttgaccag gattagctgg gtagttctgt tccatgtggt ggaacatgct
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9721 gtcctcctc ctcaggctc tctttccatg tgatctctca gtgtttaaga gttagtggga
9781 gcttccctac agcatggcg ctgacttcca aaagggatta ttccaaaaag agcctcaaca
9841 tgcaggcgct tattatgact tctgttgca tcatcctatt ggccaaagcc agtcacgtgg
9901 ctaagtctag cccctgtga gaggagactg cataagagtg tgaacaccag gagacacggt
9961 cactgggggc caccactgta accatctacc acaggacctg aatctctgtg tgcactccc
10021 ttgctcaagg gccccctac ccacgcagac ctgctgtctt ctagcaaagc ccatcctcag
10081 gacctttctc ttccaatcct tattgactca aattgattag ttggtgctcc acccagagcc
10141 ctgtgctcct ttatctcatg taatgttaat gggtttccca gccctgggaa aacatggctt
10201 tgtctcaggg gcttgcctgga tgcaacctta acctcaatgt gagtggccat actgtggcac
10261 tgtcccatcc ctcaccagg acactgttct ggagggtgac tgctgttct gtgaggagtg
10321 gggatggcta ggacattgca tggaaacac caccaccca tcttctcaga gctcaaaccc
10381 tgacagaaca ccagctccac aggccttggc ttctgctgat ggtgccgtgt atttaccaga

FIGURE 1 (continued)

10441	cttagtggtc	caaggccaga	gtggcagatt	tcccaaagtc	aaggtgtgac	agtgggacag
10501	cctctttgtg	tctttgctgt	cctaagaaac	ctgggccagg	ccaggcgcag	tggtcacgc
10561	cttgtaatcc	cagcactttg	agaggccaag	gtgggcagat	cacgaggtea	ggagtttgag
10621	accagcctgg	ccaacattgg	tgaaccctg	tctctattaa	aaatagaaaa	cattagacag
10681	gtgtggtggt	gcatgcctgt	aatcccagct	actcaggagg	ctgaggcagg	agaatcgctt
10741	gaacccagga	ggtggaggtt	gcagtgcgac	gagattgtgc	cactgcactc	cagcctaggg
10801	gacagagcaa	gactccgtct	cgggaaaatt	aattaataaa	taaataaaacc	taggtcccag
10861	agtcccacag	aatggcagac	aggagcacct	gggggctttt	aggggatggc	atttcccctg
10921	tactaaactct	gggctgtcca	gaggcgattt	catggcggtg	agtggagagg	gaggcagcac
10981	aggacttcct	aggcctcagc	tctcacctgc	ccatcttttg	atttccaggc	agttaacatc
11041	actgacctga	gcgagaacag	aaagcaggac	aagcgcttcg	ccttcacccg	ctcagacagt
11101	ggccccacca	ccagttttga	gtctgcgcgc	tggcccgggt	ggttcctctg	cacagcgatg
11161	gaagctgacc	agcccgtcag	cctcaccaat	atgctgaag	aaggcgctcat	ggtcacaaaa
11221	tctacttcc	aggaggacga	gtagtactgc	ccaggcctgc	ctgttcccat	tcttgcatgg
11281	caaggactgc	agggactgcc	agtccccctg	ccccagggtt	ccgggctatg	ggggcactga
11341	ggaccagcca	ttgaggggtg	gacctcaga	aggcgtcaca	acaacctggt	cacaggactc
11401	tgccctcctct	tcaactgacc	agcctccatg	ctgcctccag	aatgggtcttt	ctaagtgtgtg
11461	aatcagagca	cagcagcccc	tgcacaaaag	ccttccatgt	cgccctctgca	ttcaggatca
11521	aaccccgacc	acctgccccaa	cctgctctcc	tcttgccact	gcctcttccct	ccctcattcc
11581	accttcccat	gcccctggatc	catcaggcca	cttgatgacc	cccaaccaag	tggtcccac
11641	acctgtttt	acaaaaaaga	aaagaccagt	ccatgaggga	ggtttttaag	ggtttggtga
11701	aaatgaaaat	taggatttca	tgattttttt	ttttcagtc	ccgtgaagga	gagcccttca
11761	tttgagagatt	atgttctttc	ggggagaggc	tgaggactta	aaatattcct	gcatttggtga
11821	aatgatgggtg	aaagtaagtg	gtagcttttc	ccttcttttt	cttctttttt	tgtgatgtcc
11881	caacttgtaa	aaattaaaag	ttatggtact	atgttagccc	cataattttt	tttttctttt
11941	taaaacactt	ccataatctg	gactcctctg	tccaggcact	gctgcccagc	ctccaagctc
12001	catctccact	ccagattttt	tacagctgcc	tgcagtactt	tacctcctat	cagaagtttc
12061	tcagctccca	aggctctgag	caaagtgtggc	tcttgggggg	tctttcttcc	tctgctgaag
12121	gaataaattg	ctccttgaca	ttgtagagct	tctggcactt	ggagacttgt	atgaaagatg
12181	gctgtgcctc	tgccctgtct	cccaccaggc	tgggagctct	gcagagcagg	aaacatgact
12241	cgtatatgtc	tcaggctcct	gcagggccaa	gcacctagcc	tgcctcttgg	caggtaactca
12301	gcgaatgaat	gctgtatatg	ttgggtgcaa	agttccctac	ttcctgtgac	ttcagctctg
12361	ttttacaata	aaatcttgaa	aatgcctata	ttgttgacta	tgtccttggc	cttgacaggc
12421	tttgggtata	gagtgcctgag	gaaactgaaa	gaccaatgtg	tyttycttac	cccagaggct
12481	ggcgccctggc	ctcttctctg	agagttcttt	tcttccttca	gcctcactct	ccctggataa
12541	catgagagca	aatctctctg	cgggg			

FIGURE 2

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1 meicrglrsh litlllflfh seticrpsgr ksskmqafri wdvngktfyl rnnqlvagyl
61 qgpvnleek idvvpiepha lflgiaggkm clscvksge trlqleavni tdlisenrkqd
121 krfafirsds gpttsfesaa cpgwflctam eadqpvsln mpdegvmv tkfyqede

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